Claims

- 1. An electrical machine, in particular a generator, with a shaft (42), a hub (54), and an annular gap (81) which is formed between the shaft (42), or at least one first component (69) non-rotatably connected to the shaft (42), and the hub (54), or at least one second component (78) non-rotatably connected to the hub (54), characterized in that the annular gap (81) is at least partially filled with a pasty material (84), in particular grease.
- 2. The electrical machine according to claim 1, characterized in that the annular gap (81) is at least partially U-shaped and free leg ends (90, 91) of a U-shaped region (87) of the annular gap (81) are directed radially inward.
- 3. The electrical machine according to claim 2, characterized in that the first component (69) has a radially outward protruding, annular disk-shaped collar (93) which separates the free leg ends (90, 91) from each other.
- 4. The electrical machine according to claim 3, characterized in that the collar (93) engages in a recess (96) of the hub (54) or engages the at least one second component (78).
- 5. The electrical machine according to claim 4, characterized in that the hub (54) is supported so that it can rotate in relation to the shaft (42) by means of a roller bearing (34), wherein the roller bearing (34) has at least one sealing disk (99), which is oriented radially.

- 6. The electrical machine according to claim 5, characterized in that the collar (93) is embodied on the first component (69), which serves as a spacer ring (102) for a shaft-side bearing ring (38) of the roller bearing (34).
- 7. The electrical machine according to claim 6, characterized in that the recess (96) is disposed in a covering cap (72) constituted by the second component (78).
- 8. The electrical machine according to claim 7, characterized in that the U-shaped region (87) of the annular gap (81) is at least partially adjoined by the sealing disk (99).
- 9. The electrical machine according to claim 8, characterized in that the covering cap (72) serves to axially secure a hub-side bearing ring (46) of the roller bearing (34).